

What is claimed is:

1. A seat suspension assembly comprising:
  - a base including a first pair of spaced legs adapted to be securable to a support structure, said first pair of legs being connected to a back member;
  - a seat frame adapted to support a seating surface and disposed between said first pair of spaced legs of said base, said seat frame being movably connected to said base, said seat frame including a first guide engageable with one of said pair of legs, said first guide permitting controlled movement of said seat frame relative to said base; and
  - a suspension extending between said seat frame and said base for regulating the motion of said seat frame relative to said base.
2. The seat suspension assembly as defined in Claim 1, wherein said suspension includes a biasing device.
3. The seat suspension assembly as defined in Claim 2, wherein said suspension includes a dampening device.
4. The seat suspension assembly as defined in Claim 1, wherein said base includes a cross bar and said seat frame includes a back support, said suspension extends between said base cross bar and said seat frame back support.
5. The seat suspension assembly as defined in Claim 4, wherein said base includes a second pair of spaced legs extending therefrom adapted to be secured to the support structure, and said first pair of spaced legs being connected to said first pair of legs by a pair of side rails.
6. The seat suspension assembly as defined in Claim 5, wherein said base cross bar and said pair of side rails define an open space to receive said seat frame.
7. The seat suspension assembly as defined in Claim 1, wherein said seat frame includes a back support having a pair of bottom rails extending outwardly therefrom, each of said bottom rails having a distal end and said first guide being disposed one distal end and a second guide being disposed on said other distal end.

8. The seat suspension assembly as defined in Claim 7, wherein said first guides movably engage one of said first legs and said second guide movably engages said other of said first legs.

9. The seat suspension assembly as defined in Claim 7, wherein said first and second guides include a roller.

10. The seat suspension assembly as defined in Claim 1, wherein said back support includes a post extending upwardly therefrom and said back member having an aperture, said post being slidably disposed within said aperture for providing guided support for the movement of said seat frame relative to said base.

11. A seat suspension assembly comprising:

a base including a first pair of spaced legs adapted to be securable to a support structure, said first pair of legs being connected to a back member, said back member defining an opening;

a seat frame adapted to support a seating surface and disposed between said first pair of spaced legs, said seat frame being movably connected to said base, said seat frame including a first guide engageable with one of said first pair of legs, said first guide permitting controlled movement of said seat frame relative to said base; and

a suspension substantially disposed within said opening defined by said back member and extending between said seat frame and said base for regulating the motion of said seat frame relative to said base.

12. The assembly as defined in Claim 11, wherein said seat frame includes a second guide engageable with the other of said first pair of legs.

13. The assembly as defined in Claim 11, wherein said seat frame includes a back support having a pair of bottom rails extending outwardly therefrom, each of said bottom rails having a distal end and said first guide being disposed on one distal end and a second guide being disposed on said other distal end.

14. The assembly as defined in Claim 13, wherein each of said guides engages one of said

first pair of legs.

15. The assembly as defined in Claim 11, wherein said back member includes a cross bar and said frame back support includes an upper portion and said suspension extends between and is pivotally secured to said cross bar and said back support upper portion such that said suspension is disposed behind said seat frame.

16. The assembly as defined in Claim 11, wherein said suspension includes a biasing member.

17. The assembly as defined in Claim 16, wherein said suspension includes a dampening member.

18. The assembly as defined in Claim 11, wherein said biasing member is disposed about and concentrically aligned with said dampening member.

19. The assembly as defined in Claim 13, wherein said frame back support is slidably connected to said base back member.

20. The assembly as defined in Claim 11, wherein said base includes a cross bar and said seat frame includes a back support, said suspension extends between said base cross bar and said seat frame back support, and said base cross bar includes a second pair of spaced legs extending therefrom and adapted to be secured to the support structure.

21. The assembly as defined in Claim 19, wherein said seat frame back support includes a post and said frame back member includes an opening which receives said post.

22. The assembly as defined in Claim 21, wherein said opening is formed in a plate secured to an upper portion of said base back member.

23. A seat suspension assembly securable to a support structure comprising:  
a base securable to the support structure, said base including a back member and a pair of spaced side rails extending outwardly from said back member, said back member and said pair of side rails forming an open space;  
a seating surface;

a seat frame adapted to support said seating surface and generally disposed in said open space, said seat frame being movably connected in a guided manner to said base, said seat frame including a back support and a pair of spaced arms, said back support and said spaced arms forming an opening, wherein an area below said seating surface is generally unobstructed providing unencumbered access to the support structure; and

a suspension extending between said seat frame back support and said base for regulating the motion of said seat frame relative to said base, said suspension being disposed outside of said opening created by said seat frame.

24. The assembly as defined in Claim 23, wherein said seating surface is pivotally secured to said frame and is selectively rotatable to between an generally horizontal position and a vertical position.

25. The assembly as defined in Claim 23, wherein said suspension includes a biasing device and a dampening device.

26. The assembly as defined in Claim 25, wherein said base includes a first and second pair of space legs connected together by said pair of spaced side rails, said seat frame is movably connected to said base by a pair of first guides disposed said arms, said guides engaging said first pair of legs, and said sat frame back support is movingly connected to said base back member by a second guide.